

Scratch



DEAF YOUNG
CODE

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What is Scratch?



Scratch is a free, educational, block-based programming language that is developed by the Lifelong Kindergarten Group at the Massachusetts Institute of Technology (MIT)



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Video



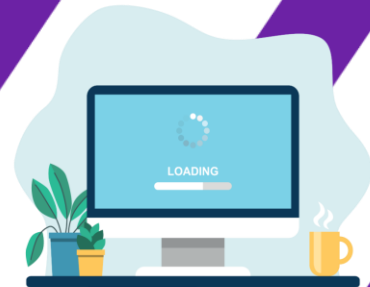
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Why we use Scratch?



Scratch is used primarily for teaching coding and programming concepts in a simple, visual, and interactive way. It's designed for beginners and helps people (especially children) learn how to create animations, games, and interactive stories without needing prior coding experience

It uses a block-based system that makes it easier to understand programming logic, such as loops, conditions, and variables. Scratch also encourages creativity, problem-solving, and critical thinking, making it an excellent introduction to coding.



Where we use Scratch?



Education:

Learning Programming

STEM Education

Creative Expression

After-School Programs:

Many after-school programs use Scratch to teach coding and foster creativity in a relaxed and exploratory environment.

Online Communities:

Scratch is used in its online community, where users share their projects, collaborate, and learn from others. It's a space for creativity and collaboration.



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Where we use Scratch?



Prototyping and Game Development:

While Scratch is not typically used for professional game development, it is an excellent tool for quickly prototyping and testing game ideas or interactive experiences. It's also used by hobbyists who enjoy making small games.

Interactive Exhibits or Projects:

Scratch can be used to create interactive digital art, exhibits, or simulations for museums, schools, or community events.

Personal Projects:

Individuals of all ages can use Scratch to develop personal projects, whether it's a game they've imagined, an animated story, or even a simple interactive tutorial.



Key features

- **Block-based coding:** Scratch uses visual "blocks" that represent programming concepts, making it accessible for beginners.
- **Interactive platform:** Users can create projects, share them, and remix others' projects.
- **Multimedia integration:** Scratch supports sound, images, and video, allowing for interactive, multimedia-based projects.
- **Game and animation creation:** Scratch is great for making games, stories, and animations.
- **Community and sharing:** Scratch has a global online community where users can share their projects and learn from others.



Why is it useful for the deaf?



Scratch can be especially useful for the deaf or hard of hearing for several reasons:

1.

Visual Learning: Scratch relies heavily on visual programming (block-based) rather than text-based coding, making it easier for deaf students to understand and engage without relying on verbal instructions.



Why is it useful for the deaf?



2.

Subtitles & Visual Feedback:

Scratch projects often include text instructions and on-screen visual cues that don't require hearing.

This makes it an inclusive platform.



3.



Visual Communication:

Deaf users can express themselves through visual elements like images, animations, and colors in their projects, fostering creative communication.

Why is it useful for the deaf?

4.

Accessible Tutorials: Scratch provides visual tutorials and guides, which can be more accessible for individuals who prefer reading or viewing visual instructions over listening to audio.



5.

Educational Opportunities

Scratch provides an excellent platform for learners of all abilities, including the deaf, by focusing on visual and hands-on learning.



Thank you for your attention!



Stay tuned for the next presentation!

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